1972

FACULTY SENATE CURRICULAR AFFAIRS COMMITTEE SEVENTY-SIXTH REPORT

University of Rhode Island Faculty Senate

Serial Number 71-72-28

UNIVERSITY OF RHODE ISLAND

FACULTY SENATE

BILL

Adopted by the Faculty Senate

TO: President Werner A. Baum

FROM: Chairman of the Faculty Senate

1. The Attached BILL, titled FACULTY SENATE CURRICULAR AFFAIRS COMMITTEE SEVENTY-SIXTH REPORT

is forwarded for your consideration.

2. The original and two copies for your use are included.

3. This BILL was adopted by vote of the Faculty Senate on 72-4-13 (date).

4. After considering this bill, will you please indicate your approval or disapproval. Return the original or forward it to the Board of Regents, completing the appropriate endorsement below.

5. In accordance with Section 8, paragraph 2 of the Senate's By-Laws, this bill will become effective on 72-5-4 (date), three weeks after Senate approval, unless: (1) specific dates for implementation are written into the bill; (2) you return it disapproved; (3) you forward it to the Board of Trustees for their approval; or (4) the University Faculty petitions for a referendum. If the bill is forwarded to the Board of Trustees, it will not become effective until approved by the Board.

April 14, 1972 (date)

Stephen P. Salisbury /s/ Chairman of the Faculty Senate

ENDORSEMENT 1.

TO: Chairman of the Faculty Senate

FROM: President of the University

1. Returned.

2. Approved ✓. Disapproved _____.

3. (If approved) In my opinion, transmittal to the Board of Regents is not necessary.

4/19/72 (date)

Wm A. Baum /s/ President

(OVER)

Form Revised 6/71

ALTERNATE ENDORSEMENT 1.

TO: Chairman of the Board of Regents.

FROM: The University President

1. Forwarded.

2. Approved.

_____ _____/s/
(date) President

ENDORSEMENT 2.

TO: Chairman of the Faculty Senate

FROM: Chairman of the Board of Regents, via the University President.

1. Forwarded.

_____ _____/s/
(date)

_____
(Office)

ENDORSEMENT 3.

TO: Chairman of the Faculty Senate

FROM: The University President

1. Forwarded from the Chairman of the Board of Regents.

_____ _____/s/
(date) President

Original received and forwarded to the Secretary of the Senate and Registrar for filing in the Archives of the University.

_____ _____/s/
(date) Chairman of the Faculty Senate

UNIVERSITY OF RHODE ISLAND
Kingston, Rhode Island

Faculty Senate Curricular Affairs Committee Seventy-sixth Report.

At meetings held on March 16 and March 23, 1972, the Faculty Senate Curricular Affairs Committee considered the following matters which are now submitted to the Faculty Senate for confirmation.

I. College of Arts and Sciences

A. Department of Art

Change of requirements for the BA concentration in studio (page 30 of the 1971-72 URI Bulletin.)

Revised statement to read:

An additional 6 credits must be selected from the following:

403, 404	Studio-Seminar I and II
405, 406	Studio-Seminar III and IV
469 and 470	Art History--Senior Projects

B. Department of Economics

1. Change of Course Numbers:

ECN 427 Intermediate Economics Theory to ECN 327

ECN 428 Intermediate Economic Theory to ECN 328

ECN 463 Economic Growth and Development to ECN 363

ECN 451 Assigned Work to ECN 351

ECN 452 Assigned Work to ECN 352

2. Change: course number, title, description and prerequisite of ECN 475

ECN 375 (475) Introduction to Quantitative Methods I I or II, 3

Introduction to the mathematical techniques used in modern economic theory. Linear algebra, the calculus of several variables, constrained maximization and differential equations. Applications to economic problems. Prerequisite: ECN 126 and one of the following MTH 107, 108, 109, or 141 or permission of the instructor. Hume

3. ADD: ECN 376 Introduction to Quantitative Methods II I or II, 3

Introduction to the application of econometric methods to economic problems. Econometric tools applied to micro- and macroeconomic problems. Prerequisite: ECN 126 and 375, or permission of instructor. Staff

C. Department of English

1. ADD: ENG 330 Structure and Development of Modern American English I, 3

The historical development of the English Language with particular attention to the structure and analysis of present-day American English and American English dialects. (Lec. 3) Titus

2. DELETE: ENG 471

D. Department of Linguistics

ADD: LIN 431 Applied Linguistics in the Language Laboratory I, 1

Principles of contrastive phonology and syntax and their application to the preparation, use, and evaluation of tape drills. Familiarization with language laboratory equipment and the monitoring of student exercises. (Recommended for prospective teachers of language.) (Lec. 1) Prerequisite: 9 credit hours of language courses numbered 300 or above, or permission of the department. Staff

II. College of Engineering

A. Department of Chemical Engineering

1. On page 59 of 1971-72 Bulletin, delete the following from the second semester of the Senior Year:

a. CHM 412 Instrumental Methods of Analysis 3

or

Approved Professional Elective

and

b. CHM 414 Instructor Methods of Analysis Laboratory 2

or

Approved Professional Elective

c. Replace with -

Approved Professional Elective 3

d. Reduce credits for 8th Semester to 17

e. Reduce Total Credits required to 136.

2. ADD:

CHE 403, 404 (or OCE 403, 404) — I and II, 3 each
Introduction to Ocean Engineering Processes

Theory and basic principles directly applicable to ocean related processes. Discussion of desalinization, mining, combating oil spills, seawater as a coolant, seawater as a waste diluent, food processing, sulfur and petroleum production and recovery of minerals. (Lec. 2, Lab. 3) Prerequisite: CHE 313 and 343 or permission of instructor. Not for graduate program credit. Barnett and Knickle

3. Freshman, sophomore and junior years identical to that now required of students selecting CHE.

4. ADD: Curriculum leading to the Bachelor of Science degree in Chemical and Ocean Engineering as follows:

Freshman, Sophomore and Junior: Identical to that now required of students selecting Chemical Engineering.

Senior Year

1st Semester		2nd Semester	
CHE (OCE) 403: Introduction to Ocean Engineering Processes I	3	CHE (OCE) 404: Introduction to Ocean Engineering Processes II	3
CHE (OCE) 351: Plant Design and Economics I*	3	CHE (OCE) 352: Plant Design and Economics II*	3
OCG 401: General Oceanography	3	OCE 410: Basic Ocean Measurements	3
OCE (CHE) 534: Corrosion and Corrosion Control	3		
Division A or C Elective	3	Division A or C Elective	3
CHE 464: Industrial Reaction Kinetics	3	Free Elective	6
Credits	18	Credits	18

*Notes: CHE (OCE) 351/CHE (OCE) 352: Plant Design and Economics will include applications to Ocean Engineering Problems for students selecting the Chemical and Ocean Engineering Program.

B. Department of Civil and Environmental Engineering

ADD:

CVE 301, 302, 303, 304, 305, 306 — I and II, 0
Introduction to Professional Practice in Civil Engineering

Discussion with faculty and visiting speakers on curriculum and career planning, professional practice and ethics, employment opportunities and graduate study. (Lab. 2) Required of all Civil Engineering students in their Sophomore, Junior and Senior years. S/U credit. Staff

C. Department of Mechanical Engineering

1. ADD:

MCE 401 (or OCE 401) Introduction to Ocean Engineering Systems I 1, 3

Basic ocean engineering principles with emphasis on mechanics thermodynamics and fluid-flow applications. Motion and equilibrium under the action of ocean forces. Propulsion, structure, and corrosion aspects. (Lec. 3) Prerequisite: MCE 351 and MCE 354, or permission of the instructor. No graduate program credit. Staff

2. ADD:

MCE 402 (or OCE 402) Introduction to Ocean Engineering Systems II 1, 3

Continuation of (MCE(OCE) 401). Flow of fluids to ocean systems. Psychrometry and mass transfer in pressurized environments. Human response to pressure. Design aspects of diving systems. Integrated system studies. (Lec. 3) Prerequisite: MCE (OCE) 401. No graduate program credit. Staff

3. ADD:

MCE 410 (or OCE 410) Basic Ocean Measurements I or II, 3

Students will carry out four or five basic ocean measuring exercises. Measurements of current and tide, dissolved oxygen, wave frequency spectra, soil characteristics from cores, water depth and bottom profiles. (Lec. 1, Lab. 6) Prerequisite: senior standing in Engineering or permission of instructor. No graduate program credit. LeBlanc and Schenck

4. ADD:

Curriculum leading to the degree of Bachelor of Science in Mechanical and Ocean Engineering as follows:

Freshman, Sophomore, Junior: Identical to that now required of students selecting Mechanical Engineering

Senior Year - Class of 1973

1st Semester		2nd Semester	
OCE (MCE) 401 Introduction to Ocean Engineering Systems I	3	OCE (MCE) 402 Introduction to Ocean Engineering Systems II	3
OCE (MCE) 410 Basic Ocean Measurements (or) Div. A or C Elective OCE 410 is required	3	OCE (MCE) 410 (or) Division A or C Elective OCE 410 is required	3
OCG 401 General Oceanography	3	MCE 428 (Mechanical Control Systems	3
MCE 423 Design of Machine Elements	3	or	
PHY 425 Acoustics	3	MCE 464 (Vibrations) Ocean-Related Engineering or Science Elective	3
PLP (CVE) 377 Biological Aspects of Water Quality	3	Free Elective	3
	18		15

Subsequent Classes

1st Semester		2nd Semester	
OCE (MCE) 401	3	OCE (MCE) 402	3
OCG 401	3	OCE (MCE) 410	3
MCE 423	3	Division A or C Elective	3
PHY 425	3	Ocean-Related Engineering or Science Elective	3
PLP (CVE) 377	3	Free Elective	3
CHE 333	3		
	18		15

Notes: The "ocean-related" elective in the 2nd semester would be chosen by the candidate in consultation with his advisor.